

Product datasheet for **RG214020**

PHF11 (NM_001040444) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF11 (NM_001040444) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF11
Synonyms:	APY; BCAP; IGEL; IGER; IGHER; NY-REN-34; NYREN34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214020 representing NM_001040444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAAAAAGGACATGTGCACTCTGCCCAAAGATGTCGAATATAATGTCCTATACTTTGCACAATCAG
AGAATATAGCTGCTCATGAGAATTGTTTGTGCTGATTCTTCAGGACTTGTGGAATGTGAGGATCAGGATCC
ACTTAATCCTGATAGAAGTTTTGATGTGGAATCAGTAAAGAAAGAAATCCAGAGAGGAAGGAAGTTGAAA
TGCAAATTTTGCATAAAAGAGGAGCCACCGTGGGATGTGATTTAAAAAAGTAAACAAGAATTACCACT
TTTTCTGTGCCAAGAAGGACGACGCAGTCCACAGTCTGATGGAGTTCGAGGAATTTATAAACTGCTTTG
CCAGCAACATGCTCAATCCCGATCATCGCTCAAAGTGCTAAATTTTCAGGAGTAAAAGAAAAAGAGGA
AGGAAGAAACCCCTCTCAGGCAATCATGTACAGCCACCCGAAACAATGAAATGTAATACATTCATAAGAC
AAGTGAAGAAGAGCATGGCAGACACAGATGCAACTGTGAAAGTTCCTTTTCTTAAGAAATGCAAGGA
AGCAGGACTTCTTAATTACTTACTTGAAGAAATATTAGACAAAGTTCATTCAATTCAGAAAAACTCATG
GATGAGACTACTTCAGAATCAGACTATGAAGAAATCGGGAGTGCCTTTTACTGTAGATTGTTTCGAAG
ACACATTTGTAATTTTCAAGCAGCAATAGAGAAAAAATTCATGCATCTCAACAAGGTGGCAGCAGTT
GAAGGAAGAGATTGAGCTACTTCAGGACTTAAAACAAACCTTGTGCTCTTTTCAAGAAAAAGAGATCTT
ATGCAAGTTCTACATCAATATCATCCCTGTCTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214020 representing NM_001040444
Red=Cloning site Green=Tags(s)

MEKRTCALCPKDVEYNVLYFAQSENIAAHENCLLYSSGLVECEDQDPLNPDRSFDVESVKKEIQRGRKLLK
 CKFCHKRGATVGC DLKNCNKNYHFFCAKKDDAVPQSDGVRGIYKLLCQQAQFPPIAQS AKFSGVKRKRGR
 RKKPLSGNHVQPPETMKCNTFFIRQVKEEHGRHTDATVKVPFLKKCKEAGLLNLLLEEILDVHSIPEKLM
 DETTSES DYEEIGSALFDCRLFEDTFVNFQAAIEKKIHASQQRWQQLKEEIELLQDLKQTLCSFQENRDL
 MSSSTSISLSLY

TRTRPLE - GFP Tag - V

Restriction Sites:

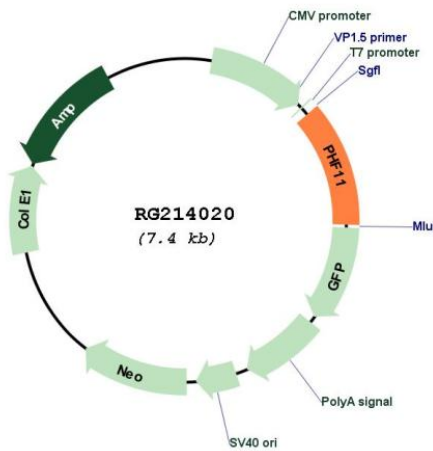
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001040444

ORF Size: 876 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001040444.2 , NP_001035534.1
RefSeq Size:	1471 bp
RefSeq ORF:	879 bp
Locus ID:	51131
UniProt ID:	Q9UIL8
Cytogenetics:	13q14.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a protein containing a PHD (plant homeodomain) type zinc finger. This gene has been identified in some studies as a candidate gene for asthma. Naturally-occurring readthrough transcription may occur from the upstream SETDB2 (SET domain bifurcated 2) gene to this locus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]